

Atty's 23089

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CLAIM AMENDMENTS

1 1. (original) An apparatus for wrapping a one- or
2 multi-part load (3) with at least one elastic foil hood (25) that
3 is gathered into folds (26) and stretched and subsequently pulled
4 over the one- or multi-part load (3), the gathered foil hood (25)
5 being stretched and pulled down by means of a pull-down device (1)
6 movable along the one- or multi-part load (3), and whereby the
7 pull-down device (1) has four tensioning fingers (2) that are
8 movable in planes perpendicular to a pull-down direction (5) and
9 that each have a bow-shaped tensioning element (43) lying in this
10 plane and, secured to it, a bow-shaped brace element (6) extending
11 generally in the pull-down direction in order to be able to take on
12 the gathered foil hood (25) in the respective corners of the one-
13 or multi-part load (3) to be wrapped and to pull it down over the
14 one- or multi-part load (3), characterized in that at least one of
15 the tensioning fingers (2) is provided with a jaw-like holding
16 device (14) that is engageable shortly before reaching an end
17 position externally at least partially around in the region of the
18 last fold (26a) to be pulled over the one- or multi-part load (3)
19 shortly before reaching the pull-down position, in particular in
20 the unfolded region of the foil hood (25) adjacent this fold (26a),
21 and that clamp the regions of the foil hood (25) to the tensioning
22 fingers (2) during stretching.

1 2. (original) The apparatus according to claim 1,
2 characterized in that the holding device (14) has a shape corre-
3 sponding generally to an outside surface of the respective tension-
4 ing finger (2) in a contact region between the tensioning finger
5 (2) and the holding device (14).

1 3. (original) The apparatus according to claim 2,
2 characterized in that the surface of the holding device (14)
3 engageable with the foil hood (25) is arcuate.

1 4. (currently amended) The apparatus according to ~~one~~
2 ~~of claims~~ claim 1 to ~~3~~, characterized in that the holding device
3 (14) is movable in a plane perpendicular to the pull-down direction
4 (5).

1 5. (currently amended) The apparatus according to ~~one~~
2 ~~of claims~~ claim 1 to ~~4~~, characterized in that the holding device
3 (14) is displaceable by a pivotal positioning lever (12) in the
4 direction of the respective tensioning finger (2).

1 6. (currently amended) The apparatus according to ~~one~~
2 ~~of claims~~ claim 1 to ~~5~~, characterized in that at least surfaces of
3 the holding device (14) engageable with the foil hood (24) have a
4 friction-increasing surface.

1 7. (original) The apparatus according to claim 6,
2 characterized in that the surface has a friction-increasing coating
3 (28).

1 8. (original) The apparatus according to claim 6,
2 characterized in that the surface has a soft coating (28), in
3 particular sponge rubber.

1 9. (currently amended) The apparatus according to one
2 ~~of claims~~ claim 6 to ~~8~~, characterized in that the surface has
3 alternating raised and recessed regions.

1 10. (currently amended) The apparatus according to one
2 ~~of claims~~ claim 1 to ~~9~~, characterized in that a separate gathering
3 device is provided for gathering the foil hood (25).

1 11. (currently amended) The apparatus according to one
2 ~~of claims~~ claim 1 to ~~10~~, characterized in that surfaces of the
3 holding device (14) engageable with the foil hood (25) correspond
4 to the minimal contact surface needed to avoid damaging the foil
5 hood (25) during stretching taking into account the technical
6 features and characteristics of the foil hood (25) as well as the
7 amount of stretch.

12. (original) A method of wrapping a one- or multi-part load (3) with at least one elastic foil hood (25) that is gathered into folds (26) and stretched and subsequently pulled over the one- or multi-part load (3), the gathered foil hood (25) being stretched and pulled down by means of a pull-down device (1) movable along the one- or multi-part load (3), and whereby the pull-down device (1) has four tensioning fingers (2) that are movable in planes perpendicular to a pull-down direction (5) and that each have a bow-shaped tensioning element (43) lying in this plane and, secured to it, a bow-shaped brace element (6) extending generally in the pull-down direction in order to be able to take on the gathered foil hood (25) in the respective corners of the one- or multi-part load (3) to be wrapped and to pull it down over the one- or multi-part load (3), characterized in that at least one of the tensioning fingers (2) is provided with a jaw-like holding device (14) that is engageable shortly before reaching an end position externally at least partially around in the region of last fold (26a) to be pulled over the one- or multi-part load (3) shortly before reaching the pull-down position, in particular in the unfolded region of the foil hood (25) adjacent this fold (26a), and that clamp the regions of the foil hood (25) to the tensioning fingers (2) during stretching, at least one holding device (14) being applied with the respective tensioning finger (2) against the foil hood (25) before stretching of the foil hood (25) and being

25 separated from the foil hood (25) after contact of the foil hood
26 (25) with the one- or multi-part load (3).

1 13. (original) The method according to claim 12,
2 characterized in that at least one holding device (14) after
3 pulling-off of the folds (26) shortly before separation of the foil
4 hood (25) from the holding device (14) is brought back against the
5 respective tensioning finger (2) to hold the foil hood (25).

1 14. (currently amended) A method of wrapping a one- or
2 multi-part load (3) with at least one elastic foil hood (25) that
3 is gathered into folds (26) and stretched and subsequently pulled
4 over the one- or multi-part load (3), the gathered foil hood (25)
5 being stretched and pulled down by means of a pull-down device (1)
6 movable along the one- or multi-part load (3), ~~in particular~~
7 ~~according to claim 12 or 13~~, characterized in that the gathered
8 foil hood (25) to be pulled down over the one- or multi-part load
9 (3) in a first step is stretched to a first great amount and in a
10 second step the stretching of the foil hood (25) during the pull-
11 down operation of the gathered foil hood (25) over the one- or
12 multi-part load (3) is reduced somewhat but still maintained enough
13 to permit the pulling down.

1 15. (original) The method according to claim 14,
2 characterized in that the reduction of stretching is effected

3 during the pull-down operation of the foil hood (25) over the one-
4 or multi-part load (3) continuously, in particular uniformly.

1 16. (original) The method according to claim 14,
2 characterized in that the reduction of stretching is effected
3 during the pull-down operation of the foil hood (25) over the one-
4 or multi-part load (3) in steps, in particular in multiple steps.

1 17. (original) The method according to claim 16,
2 characterized in that the reduction of stretching takes place
3 during the first third of the pull-down operation.

1 18. (original) The method according to claim 17,
2 characterized in that the reduction of stretching is effected at a
3 spacing of 5 to 20 cm above the one- or multi-part load (3),
4 preferably at 10 cm above the top of the one- or multi-part load
5 (3).

1 19. (currently amended) The method according to ~~one of~~
2 ~~claims~~ claim 14 ~~to 18~~, characterized in that the foil hood (25)
3 stretched to a great amount in the first step is at the start of
4 the pull-down operation held by at least one holding device (14)
5 and the holding device (14) is separated from the foil hood (25) in
6 the second step with reduction of the stretching to a reduced
amount.